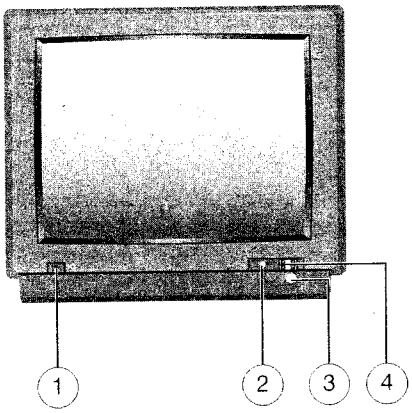
TV COLOR TELEVISION

P 37-549/12

GRUNDIG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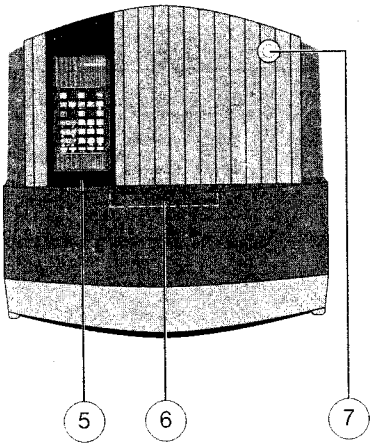
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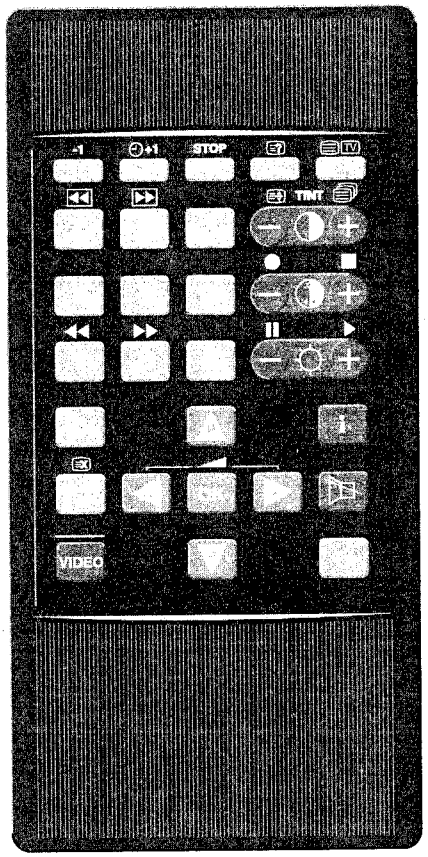
-1
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STOP
TV
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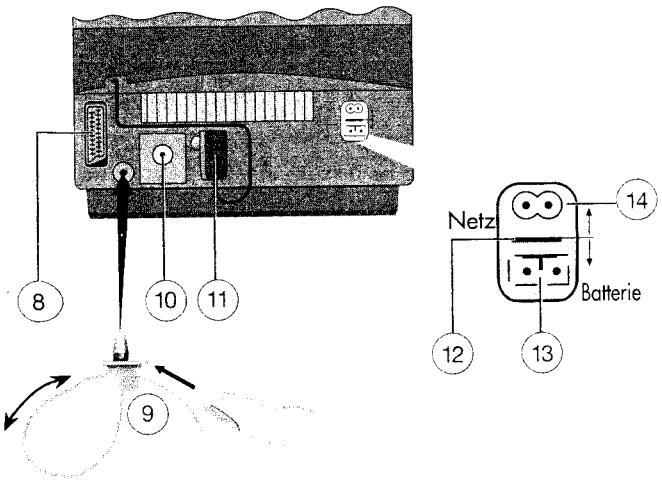
VIDEO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Connections and Controls on the TV Set

① Mains switch for switching on and off

② Receiver in standby position – lit dot.

③ Headphone socket ø3.5 mm – switches off the built-in loudspeakers.

④ [P▲] [P▼] Programme position select buttons

⑤ Tray for remote control handset

⑥ Recessed grip

⑦ Telescopic aerial (one-rod)

⑧ EURO-AV socket, universal connection, DIN EN 50049, e.g., for video and RGB connection.

⑨ Strain relief cable clamp for EURO-AV cable
– To open cable clamp → press nose in direction of arrow

⑩ Aerial socket 75 Ω, coaxial, DIN 45325 IEC 169-2

⑪ Plug for connecting the telescopic aerial to the socket ⑩.

⑫ Operating mode selection switch
Top = mains operation
bottom= battery operation

⑬ Battery connecting socket
12 - 24 V⎓ (control range 10 - 30 V⎓)

⑭ Mains connecting socket
110 - 240 V ~ (control range 90 - 264 V ~)

For the Technically Interested

With this TV set, all adjustments can be made by means of the remote control handset.

The selected functions are displayed on the picture screen (**OSD** = **O**n **S**creen **D**isplay).

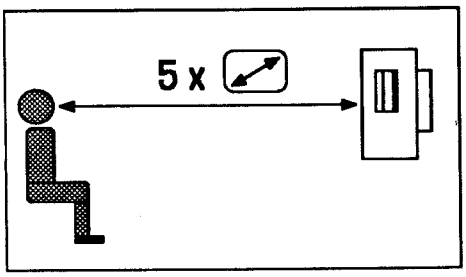
Further useful features:

- Text messages possible in 10 languages
- Sleep timer, adjustable from 1 to 99
- 49 programme positions plus 1 AV position
- Automatic channel programming
- Programme lock (child-proof lock)

Positioning

Position the TV set so that as little stray light as possible falls on the picture screen.

The ideal viewing distance from the set is five times the screen diagonal, see figure!



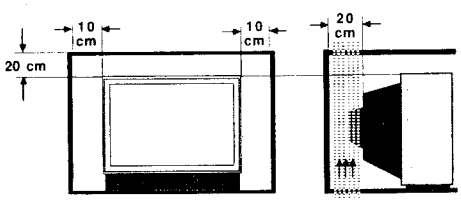
Safety Considerations

Do not obstruct the **ventilation slots** in the back panel. The set generates heat which must be able to escape freely.

A builf-up of heat reduces the life of the set and is a **source of danger.**

When operating the set in a closed cabinet, certain **minimum distances** must be maintained. See figures!

Protect the TV set against dripping and splashing water.

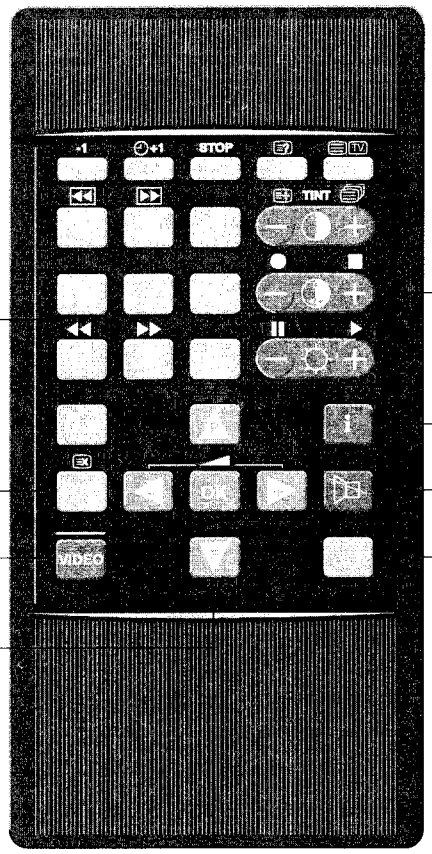


The Buttons of the Remote Control Handset

The remote control handset is the central control unit for your TV set.
It allows control of all functions and basic settings of the set.

- Insert the enclosed battery observing the polarity marks (−/+) on the bottom of the compartment. Close the compartment cover.

– Should your TV receiver no longer correctly respond to the remote control commands, the battery is probably exhausted.
Replace an exhausted battery immediately.
No responsibility will be taken for damage caused by a leaking battery.



1-0 AV For selecting programmes and switching on from standby.
– For directly selecting channels/special channels.
– For selecting the AV position.

P/C For selecting programmes/ channels/special channels.
– For calling up ACP (automatic channel search) [keep pressed for about 3 sec].

VIDEO For remotely controlling a video recorder (keep pressed the VIDEO button).

For stepping through the programme positions (1, 2, 3, ...) and switching on the set.

For stepping through the programme positions (...3, 2, 1)
– For moving up and down the cursor in the displayed menu to make a choice.

Volume up/down
– For moving left and right the cursor in the displayed menu to make a choice.

OK – For calling up the stored basic settings of the TV set (picture and sound).
– For confirming entered values (storing in memory).

Black/white contrast

Colour contrast

Brightness

The values are directly modified by means of the respective rocker button.

For letting appear/disappear the MENU (keep pressed the button for approx. 3 sec. and select the menu with button OK)
– For letting appear/disappear the programme indication with station identification

For switching on and off the TV sound (when muted, the corresponding symbol appears on the TV screen).

For switching to standby. An illuminated dot is visible in the display of the TV set. Only on mains operation!

Adjusting TV Programmes (allocating programmepositions)

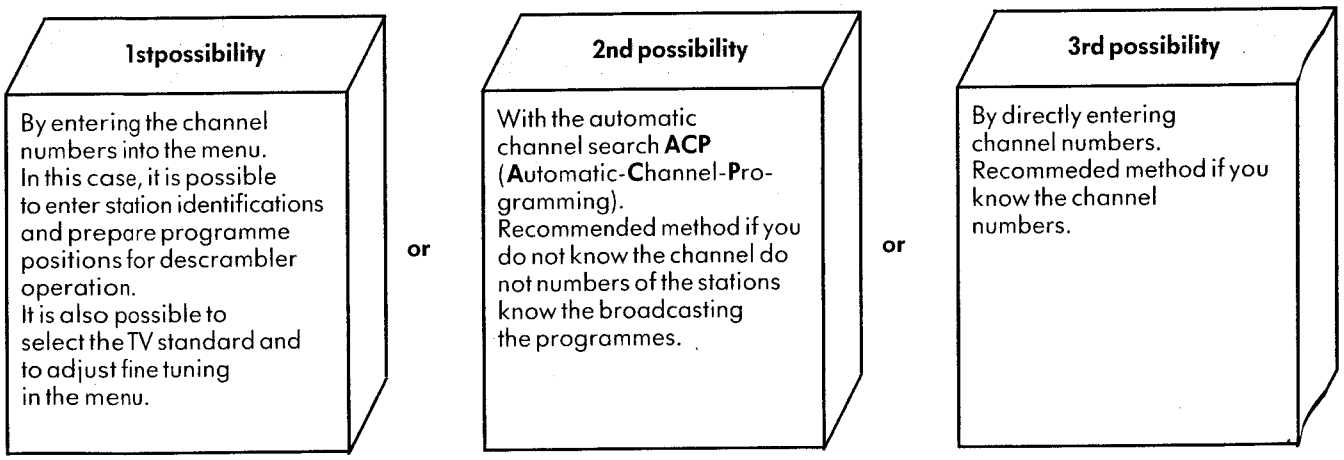
Adjusting TV programes

TV stations transmit television programmes on different channels, e.g., the German TV station Dillberg the "First Programme" (ARD) on channel 6.

The TV programmes must be allocated to the programme positions of the TV set.

The adjustments required for this need only be carried out for the initial setting up of the set or when the reception conditions have changed (e.g., in the case of relocation or connection to a cable TV system).

There are different methods possible to allocate TV programmes to the programme positions of the TV set.


1stpossibility
By entering the channel numbers into the menu. In this case, it is possible to enter station identifications and prepare programme positions for descrambler operation. It is also possible to select the TV standard and to adjust fine tuning in the menu.
or
2nd possibility
With the automatic channel search **ACP** (**A**utomatic-**C**hannel-**P**rogramming). Recommended method if you do not know the channel numbers of the stations broadcasting the programmes.
or
3rd possibility
By directly entering channel numbers. Recommeded method if you know the channel numbers.

If you have decided on the method of your choice, leave there maining two methods out of consideration.

Switching on

- Switch on the TV set with the mains switch I O ①.
- Programme position 1 is automatically selected.
- The indication P 1 and the station identification (if entered) are briefly displayed on the picture screen.

Volume

- Alter the volume setting with the buttons ◀▶ of the remote control handset if the default settings are not to your convenience.

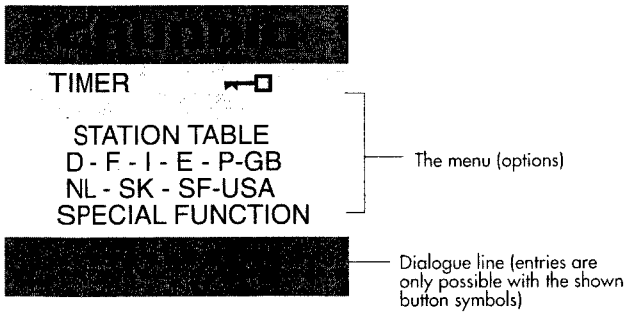
MENU

General

The menu allows you to perform various functions and settings with the help of dialogue lines. You have the choice between four menu options:
- Timer and ⊸○ (programmelock)
- Allocating programme positions (with station identification, preparation for descrambler operation, TV standard selection, and fine tuning)
- Language selection
- Special functions

Calling up the MENU:

- Press and keep the **i** button until **OK** → **MENU** is displayed.
- When this message is visible, press the **OK** button; the **MENU** is displayed.
- You can exit the menu by pressing the button **i** or ☰ TV.


TIMER
STATION TABLE
D - F - I - E - P-GB
NL - SK - SF-USA
SPECIAL FUNCTION
The menu (options)
Dialogue line (entries are only possible with the shown button symbols)

The symbols ∧, ∨, ❮, ❯ stand for the following buttons:

∧, ∨ =programme select buttons ▼ and ▲

❮, ❯ = volume ◀ and ▶

OK = **OK** button

In the following text, the true button designations of there mote control handset are shown instead of the symbols. ▼, ▲, ◀, ▶ are also called cursor buttons.

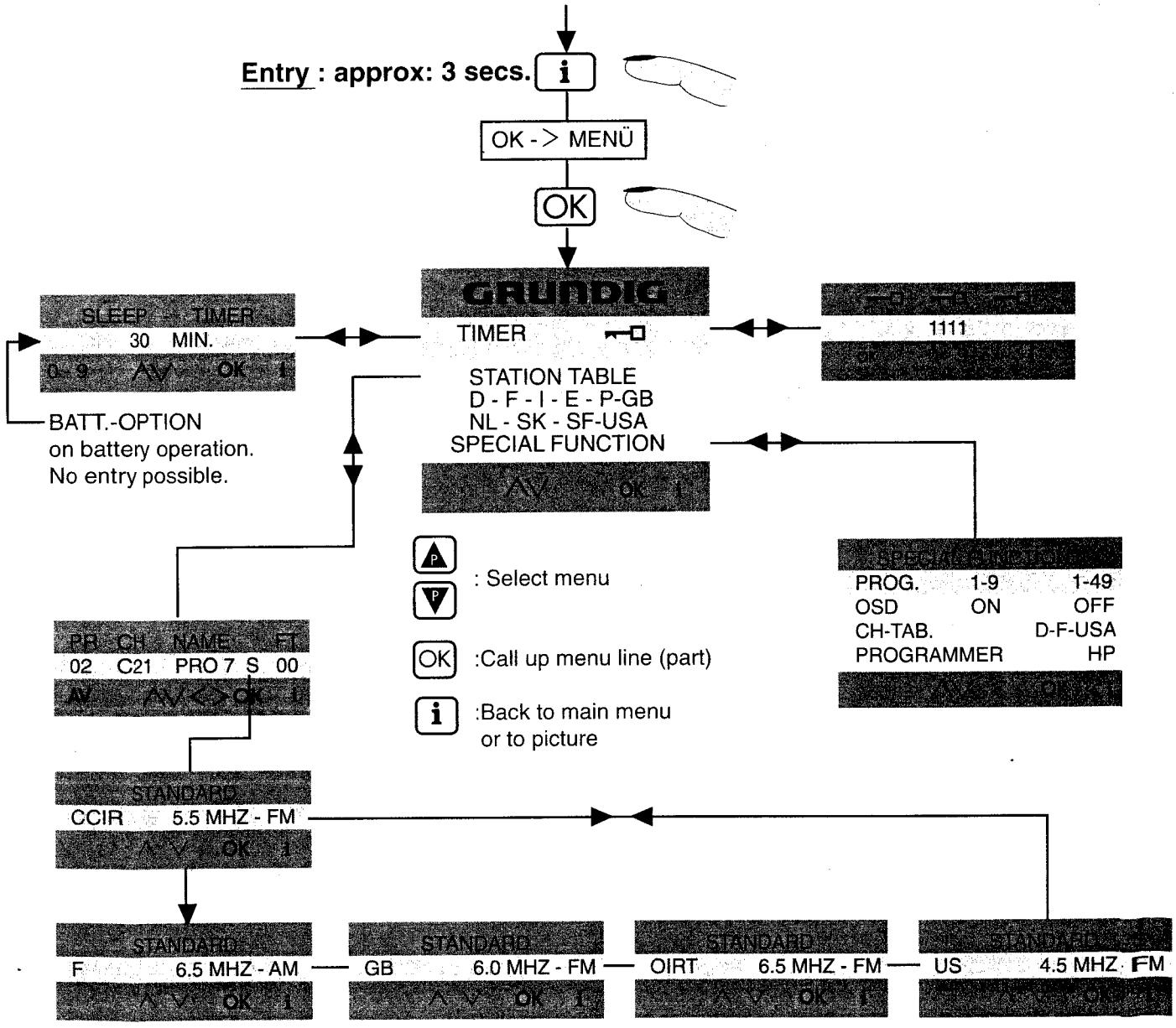
Selecting a language

It is possible to select between several languages for the dialogue with your TV receiver. The text messages will then appear in the selected language. It is therefore recommended to make this choice at first.

At the factory, the German language **D** (deutsch) has been preset. If you wish a different language, make the choice before carrying out any further operating step.

- Use button ▼ or ▲ to select the third menu line.
- The menu line **with the country signs** is highlighted on blue background.
- Press the **OK** button.
- The select-language function is activated. The selected language is highlighted in red letters.
- Select the desired language with button ◀ or ▶.
- From now on, all text messages will be displayed in the selected language.
- Press the **OK** button. The country sign of the selected language is stored in memory and highlighted in yellow letters.

MENU Main


Entry : approx: 3 secs.
i
OK -> MENÜ
OK
GRUNDIG
SLEEP - TIMER
30 MIN.
0-9 AV OK i
TIMER
1111
BATT.-OPTION
on battery operation.
No entry possible.
STATION TABLE
D - F - I - E - P-GB
NL - SK - SF-USA
SPECIAL FUNCTION
AV OK i
: Select menu
:Call up menu line (part)
:Back to main menu
or to picture
PROG. 1-9 1-49
OSD ON OFF
CH-TAB. D-F-USA
PROGRAMMER HP
PR CH NAME FT
02 C21 PRO 7 S 00
AV AV<->OK i
STANDARD
CCIR 5.5 MHZ - FM
AV OK i
STANDARD
F 6.5 MHZ - AM
AV OK i
STANDARD
GB 6.0 MHZ - FM
AV OK i
STANDARD
OIRT 6.5 MHZ - FM
AV OK i
STANDARD
US 4.5 MHZ FM
AV OK i

MENU

1st possibility

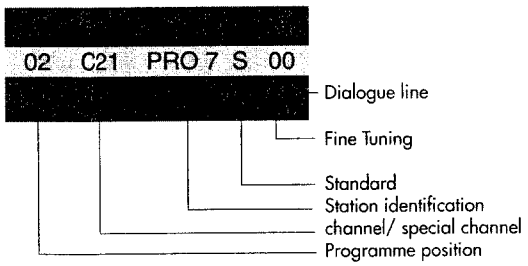
Affecting programme positions in the menu

Example:
The »Third Programme« is broadcasted on channel 59 and you wish to allocate it to programme position 3 and enter the station identification BR3. Please ask your specialized dealer on which channels further programmes can be received in your area.

How to proceed:

Selecting a programme position

- Use button ▲P or ▼P to select the second menu line.
- The menu line – **PROGRAMME** – is highlighted on light-blue background.
- Press the **OK** button.
- The data of the current programme position is displayed.
- The active position is highlighted in red.



- Select the programme position 03 with the button ▲P or ▼P.

Entering the channel number

- Press the ▶ button.
- You now can switch over between channel and special channel by
- pressing the ▲P or ▼P button.
- The letter **S** (= special channel) is displayed.
- Pressing the button ▼P or ▲P again switches back to **C** (**C** = channel).
- Press the ▶ button.
- Enter the desired channel number **as two figures** with the numbered buttons.
- If you **do not wish** to make further entries (e.g., station identification, finetuning (FT)), then
- press the **OK** button (storing in memory)

You can also select the channel number step by step with the ▲P or ▼P button.
Keeping pressed one of the buttons ▲P or ▼P starts the automatic channel search. The channel search stops at each station that can be received.
- You now have entered channel 59 on programme position 3.

MENU

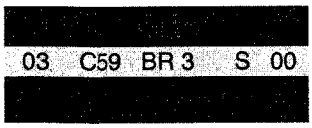
Entering the station identification

BR3 in our example

– For entering the station identification (NAME), four positions are available for each programme position. You can fill these positions with letters, figures or other characters (e.g., a blank »-« for spaces) of your choice.

How to proceed:

- Press the ▶ button.
– This selects the first position of the station identification.
- Press button ▲ or ▼ (▲ to move up 0-9, A-Z, ▼ to move down Z-A, 9-0, blank) until the letter B appears.
- Press the ▶ button.
– This selects the next entry position for the letter R.
- Press the ▲ or ▼ button until the letter R is displayed.
- Repeat the above steps until BR3 is displayed.
– Following the above example, you have allocated the programme position P3 the channel number C59 and the station identification BR3.
– If **no further** entries are required (e.g., selecting a different TV standard or finetuning), press the **OK** button.
– The channel number and the station identification are stored in memory.



MENÜ

Selecting the TV standard

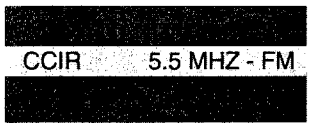
TV stations of different countries operate with different TV standards. The figure shows the different TV standards used by various countries. If you wish to adjust programmes of these countries, you must first select the respective TV standard.

How to proceed:

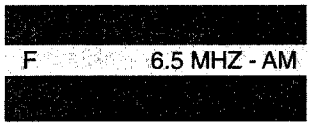
- Call up the meu.
- Press and keep the **i** button until **OK** → **MENU** is displayed.
- Press the **OK** button while this indication is visible.
- Press the ▼ button once.
  (Cursor bar on line PROGRAMM)
- Press the **OK** button.
- Repeatedly press the ▶ button until the letter **S** (stands for Standard) is highlighted in read.
- Press the ▼ or ▲ button until the desired TV standard is selected.

Storing the setting in memory:

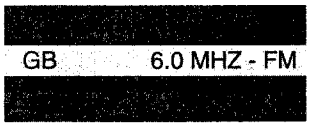
- Press the **OK** button.



e.g., Federal Republic of Germany, Austria, Switzlerland, Italy



France only



e.g., Great Britain, Ireland, Hongkong (BFN)

e.g., Eastern Bloc States, U.S.S.R., China

U.S. standard (AFN)

MENÜ

Finetuning the picture sharpness (FT)

The TV set tunes automatically to best possible picture sharpness. However, if reception conditions are difficult, it may occasionally be necessary to adapt the picture to these conditions by means of the finetuning function.

How to proceed:

Call up the menu (see chapter "Selecting the TV standard").

- Repeatedly press the ▶ button until the letters below **FT** are displayed in red or green.
- Adjust for best picture and sound impression by pressing the ▲ or ▼ button. You can adjust a value between 63 and -64.
- Press the **OK** button to store the altered setting in memory.

– When storing is completed, the data of the next programme position is displayed.

- **Briefly** press the **i** button to return to the **main menu.**

TIMER

(Function only possible on mains operation)
You can programme the **Timer** so that the TV set is automatically switched to standby after a period of 01 to 99 minutes.

How to proceed:

Call up the menu.

- Use the **OK** button to highlight (red letters) the word »**Timer**« in the first menu line.
- Press the **OK** button; the **SLEEP-TIMER** menu will be displayed.

- Enter the desired time period with the numbered buttons **0...9** or the buttons ▲ ▼ (in 15 minutes steps).
- Store the setting with the **OK** button. The **main menu** is displayed again.

– When the programmed time period has elapsed, the TV set switches to standby.
– Entering »**00 MIN.**« will clear the timer function.

MENU

Programme lock

The programme lock allows you to protect your TV set against unauthorized use.

How to proceed:

- Call up the menu.
- Press the **OK** button.
- Use the button ◀ or ▶ to highlight the ⊷ symbol in the first menu line.
- Press the **OK** button; the menu ⊷ ⊷ ⊷ appears on the picture screen.
- Enter a **four-digit** code number with the buttons **0...9** (e.g., 1111).
- Press the **OK** button.

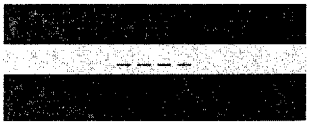
– The code number is stored in memory.

Please note down your personal code number!

If you should forget or mislay your code number, the key (📖) on the last page (cover) allows you to clear the code number. Press the buttons in the given sequence and your TV set will operate again.

Unlocking the TV set

When switching on the locked TV set, the following display will appear.



How to proceed:

The display invites you to enter your personal code number.

- Enter your code number with the numbered buttons **0...9** (hidden entry XXXX).

– The TV set switches automatically to TV operation.

Clearing the programme lock

- Call up the menu.
- Press the **OK** button.
- Use the ◀ or ▶ button to highlight the ⊷ symbol in the first menu line.
- Press the **OK** button; the menu ⊷ ⊷ ⊷ appears.
- Enter your code number (which is stored in memory) **as four digits** with the buttons **0...9** (e.g., 1111).

– Your code number is cleared.

MENU

Special functions

Single-digit or two-digit programme selection

If you do not wish to use all of the 49 programme positions (two-digit) but only the programme positions 1 to 9 (single-digit), you can restrict programme selection correspondingly.

How to proceed:

- Use the ▲ or ▼ button to select the menu line – **SPECIAL FUNCTION** –.
- Press the **OK** button.

– The menu – **SPECIAL FUNCTION** – appears.

PROG.	1-9	1-49
OSD	ON	OFF
CH-TAB.		D-F-USA
PROGRAMMER		HP

– The first menu line – **PROG.** – is highlighted.

- Press the **OK** button.
- Press the ◀ or ▶ button.

– This activates the **single-digit** programme select mode (programme positions 1 to 9).

- Pressing the ◀ or ▶ button once again returns you to the **two-digit** programme select mode (e.g., 1 to 49).
- Press the **OK** button.

– The setting is stored in memory.
– This setting has no effect if the programme positions are selected with the ▲ or ▼ button.

On-screen display on/off

In the menu line – **OSD ON OFF** –, you can select between OSD ON and OSD OFF.

OSD ON: The bar indications for volume, colour contrast, brightness, black/white contrast, and the station identification are displayed when a setting is altered.

OSD OFF: The bar indications and the station identification are not displayed.

How to proceed:

- Use the ▲ or ▼ button to select the menu line – **OSD ON OFF** –.
- Press the **OK** button.
- Press the ◀ or ▶ button.

– This switches to **OSD OFF**.

- Pressing the ◀ or ▶ button again switches back to **OSD-ON**.
- Press the **OK** button.

– The setting is stored in memory.

Channel table (CH-TAB.)

If you receive programmes from french cable channels, select **F**.
If you operate the TV set in the USA, select **USA**.
For all other reception conditions, select **D**.
D has been preset in the factory.

How to proceed:

- Call up the menu.
- Select the menu line **SPECIAL FUNCTION**.
- Press the **OK** button.
- Select the menu line **CH-TAB**.
- Press the **OK** button.
- Use the ◀ or ▶ button to select the respective option.
- Confirm with the **OK** button.

PROGRAMMER HP

The menu option – **PROGRAMMER HP** – serves for automatic programming the TV receiver.
This can only be done by your specialized dealer with the help of an **IR DATA-PROGRAMMER** device.

Adjusting TV Programmes (allocating programme positions)

2nd possibility

Allocating programme positions with ACP

ACP – (**A**utomatic **C**hannel **P**rogramming) is an automatic channel search system.

ACP – helps you in a quick and simple way to adjust all programmes even if you do not know the channel numbers.

ACP – it stops automatically as soon as a channel on which a programme is received is found.

How to proceed:

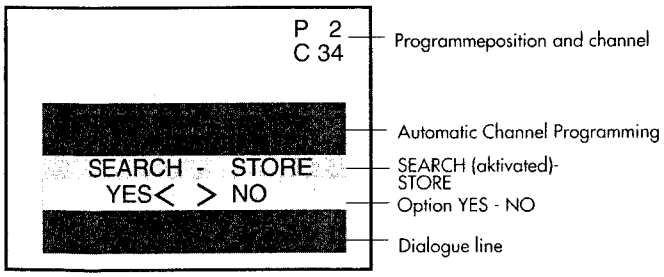
Selecting a programme position

- Select the desired programme position with the numbered buttons or with the ▲ ▼ buttons.

Calling up ACP

- Press and keep the **P/C** button for approx. three seconds.

On-screen display:



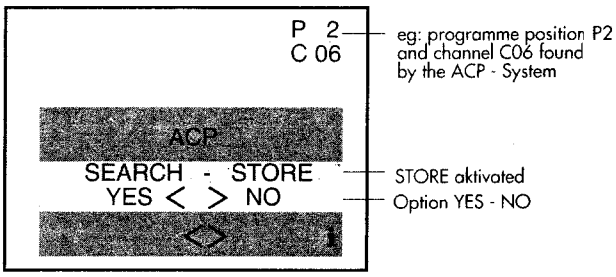
Starting ACP

- Press the ◀ button; **YES** is activated.

– **ACP** is started at channel number **C00** and will stop at each channel on which a programme with sufficient signal strength is received.

Storing a channel in memory

- Press the ◀ button.



– This automatically selects the next programme position and activates the channel search until the next programme is found.
(In this case, manual searching a programme position is not possible. If you wish to select a different programme position, you must exit **ACP** by pressing the **i** button, select the desired programme position, and start the **ACP** again.)

Not storing the channel in memory

If you do not wish to store the channel as you wish to allocate the programme position another programme, then

- press the ▶ button; the channel is not stored in memory (> NO).

– The programme position remains free and the channel search is started again.

The channel search scans the whole channel range from C00...C99 and S01...S99.

- Press the **i** button if you wish to exit the **ACP** function.

Adjusting TV programmes (allocating programme positions)

3rd possibility

Directly entering the channel numbers

Example:
The »Second Programme« (ZDF) is broadcasted on channel 34 and you wish to allocate it to programme position 2.

How to proceed:

Selecting a programme position

- Press the numbered button **2** or select the desired programme position 2 (step by step) with the buttons ▲ ▼.

– P2_ (for two-digit entry) is displayed on the screen. If no two-digit entry is made, the TV set switches after a short period of time to the single-digit indication.

Selecting the channel mode

- Press the **P/C** button.

– The letter **C** (**C** for Channel) and a number between 00 and 99 are displayed for about 3 seconds on the screen.

- If you wish to adjust programmes received via cable on special channels, press the **P/C** button once again.

– **S** (**S** for special channel) is displayed for approx. 3 seconds on the screen.

Entering the channel number

- Within 3 seconds, press the numbered buttons **3** and **4**.

– The channel number 34 is entered.

Storing the channel number in memory

- Press the **OK** button while the indication $\frac{P2}{C34}$ is displayed.

– **MEMO → OK** is displayed for approx. 3 seconds.

- During this display, press the **OK** button once again.

– The channel number is stored in memory.
– If the display disappears **before** pressing the **OK** button, you need enter the channel number again.

Picture and Sound Settings

You can modify all picture and sound settings to suit your individual taste.

Adjusting the volume setting

How to proceed:

- Press the button ◀ (softer) or ▶ (louder) as long as required.

– The adjusted level is displayed in a scale on the picture screen (if OSD ON).

Adjusting picture settings

- If you wish to adjust picture levels, then press as long as required on the - or + side of the rocker buttons for

black//white contrast	◑
US standard: (NTSC)	**TINT**
colour contrast	◕
brightness	☼

– The adjusted level is displayed in a scale on the picture screen (if OSD ON).

– If you press the **OK** button after the scale has disappeared, the **ancient** setting will be retrieved.

Storing the adjusted level in memory

- If you wish the adjusted level to be permanent, then press the **OK** button while the scale is displayed.

MEMO → OK will be displayed.

- Press the **OK** button once again during this display.

– The newly set level is stored in memory.

– The volume level can **separately** be adjusted for each programme position.

Switching off the television sound

- Pressing the 🔇 button allows you to switch on and off the television sound.

– When the television sound is switched off, the symbol 🔇 is displayed on the picture screen.

- Pressing the ▶ button or changing the programme, switches the television sound on again.

Remote Control of a Video Recorder

You can also use the remote control of this TV set to remotely control a **video recorder**. Your dealer can tell you which video recorders are appropriate for this.

How to proceed:

- Press and keep the **VIDEO** button.
  This switches the remote control handset to video operation.
  Now press the desired function button.

Please refer to the following listing to learn which functions can be remotely controlled.

⏪ (numbered button 1) = reverse picture search
⏩ (numbered button 2) = forward picture search
● (button –◑) = recording start
■ (button +◑) = stop
◀◀ (numbered button 7) = fast rewind
▶▶ (numbered button 8) = fast forward wind
⏸ (button –☼) = pause
▶ (button +☼) = playback start

Calling Up the Programme Indication

- Briefly pressing the **i** button switches on and off the on-screen programme indication (abbreviation, e.g., P2 SAT1).

Switching the TV Set to Standby

(only possible on mains operation)

- During television pauses, you can switch your TV set to standby.

How to proceed:

- Press the ⏻ button on the remote control handset.
- Your TV set is switched to standby.
- A dot ② lights up on the set.

Automatic standby

- Approximately 10 minutes after station sign-off or a transmission failure, the TV set switches automatically to standby.
- Pressing one of the numbered buttons 1...9, AV switches the TV set on again.

You can also switch on the set again by pressing the ▲P button. In this case, the programme which was last selectedwill appear again.

Switching Off the TV Set

- If you do not use the TV receiver for a longer time (e.g., during the night), switch it off with its mains switch ①.

Teletext Mode

- The TV set is prepared for retrofitting a Teletext decoder. Separate operating instructions are supplied with the Teletext decoder.

Connecting Possibilities and Operation ...

... with a headphone

How to proceed:

- Connect the headphone (3.5mm ø jack plug) to the jack ③.

Operation:

Adjust the volume level with the buttons ◀, ▶.
(The built-in loudspeaker is disconnected.)
The volume level is displayed in a scale on the picture screen (with OSD ON).

... with a video recorder or camcorder

How to proceed:

- Connect the video recorder or camcorder with an appropriate cable to the **EURO-AV socket** ⑧ (on rear panel) or with an aerial cable (75Ω) to the **aerial socket** ⑩ (on rear panel).

Example 1:

Video recorder or camcorder connected to Euro-AV socket ⑧.

- **Press the AV** button on the remote control handset.
  AV 1 is displayed in the top right corner of the screen.
- Start video playback on the recorder.
  You see the video playback in the AV programme positions 1, 2, and 3.

Example 2:

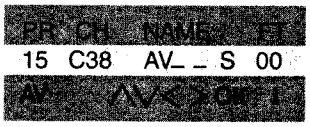
Video recorder or camcorder on aerial socket ⑩.

Programme the playback channel specified for the recorder (between 30 and 40) on any desired programme position of the TV set (see operating instructions of the recorder for the playback channel).

If you should not know the playback channel, start playback on the recorder and search it with the help of the automatic channel search of the TV set.

How to proceed:

- Select the line **PROGRAMME** in the MENU.
- Select the desired programme position, e.g., P 15
- Enter the playback channel of the VCR, e.g., C38.
- Enter the 4- position abbreviation AV-- below the NAME indication (time-constant switch-over!)



- Store in memory with the **OK** button.
- Return to the TV picture with the **i** button (press twice).
  Note down the selected programme position for later video playback.

Fine tuning the picture sharpness on video recorder playback

It is possible to correct the sharpness setting for the tape picture if this should be necessary.
(See finetuning the picture sharpness in the MENU).

Connecting Possibilities and Operation ...

Programme position selection for external units

Each programme position can be adjusted for playback from external units (e.g., video recorder with its switching voltage at PIN 8 of the EURO-AV sockets) connected to the **EURO-AV** socket.

Example:

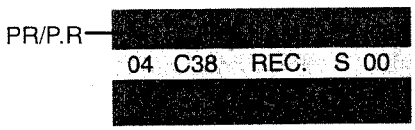
Up to now you have been receiving three TV programmes and wish to allocate programme position 4 to your video recorder.

How to proceed:

Select programme position 4 with the numberd button **4** or with the buttons ▲ ▼.
»P 4« appears on the picture screen.

- Select the second line – **PROGRAMME** – in the menu (see allocating programme positions in the menu), then
- press the **Ok** button.
- Press the **AV** button.

– A dot appears between the two letters **PR** (stands for programme).



- Store in memory with the **OK** button.
- Press the **i** button twice to return to the TV programme.

...with a descrambler (decoder)

A number of TV stations broadcast programmes via cable or SAT receivers in scrambled (encoded) form. This makes picture and sound unrecognizable. Programmes of this type can be unscrambled (decoded) with a so-called Descrambler.

How to proceed:

Connect the descrambler to the **EURO-AV socket** ⑧.

- Connect the programme position on which the encoded programme is received.
- Select the second line – **PROGRAMME** – in the menu (see allocating programme positions in the menu), then
- press the **OK** button.
- Press the **AV** button.

– The displayed **PR** changes to **P.R**

- Store in memory with the **OK** button.
- Press the **i** button twice to return to the TV picture.

– The scrambled programmes (signals) are passed from the TV set to the Descrambler, are decoded there, and then passed back to the TV set where they can be regarded in a normal way.

Specification

Mains voltage:

110-240V~, 50/60 Hz
(control range of the mains section 90...264 V)

»The unit must only be operated with the enclosed mains cable set.
(GWN 9.22/Ref. No 8290.991-316)«.

The enclosed mains cable set avoids mains interferences and is part of the unit's approval.
Order a replacement cable set at our after-sales service under the design ation GWN 9.22 and the ret number 8290.991-316.

Battery voltage:

12-24 V⎓
Control range 10-30 V⎓

Power consumption:

50 Wh env.

Channel coverage:

Channels 01 ... 99
Special channels S 01 ... S 99

Sound output:

4 W music power

This equipment meets the international safety and interference regulations. The X-rays generated in this receiver are adequately screened. Accelerating voltage 25kV/0.8mA max.

If your unit malfunctions, it is essential that you contact your dealer. Under no cirumstances should you open the set yourself. The manufacturer accepts no responsibility for damage which occurs under such circumstances.

Subject to alteration!
E. and O.E.

Pin Connection of the EURO-AV Socket ⑧

If you wish to connect peripheral units (e.g., computer, amplifier) to your TV set, your specialized dealer will be able to make the correct standard connections using the following table:

Pin		Signal
1	=	Audio output, RH
2	=	Audio input, RH
3	=	Audio output, LH
4	=	Audio chassis return
5	=	Blue chassis return
6	=	Audio input, LH
7	=	RGB blue input
8	=	Switching voltage
9	=	Green chassis return
10	=	–
11	=	RGB green input
12	=	–
13	=	Red chassis return
14	=	Chassis return
15	=	RGB red input
16	=	RGB switching voltage
17	=	Video chassis return
18	=	RGB switching voltage, chassis return
19	=	Video output
20	=	Video input
21	=	Screening/chassis return